Work Order ID 94022 Page 1 November-30-12 8:10:52 AM D3915-1 Accept Item ID: Setup Start *N900040100* **Revision ID:** Rib Item Name: Start Qty: 3.00 **Start Date:** 11/29/12 **Cust Item ID: Req'd Qty: 3.00** Required Date: 11/30/12 **Customer:** Reference: Run Start Process Plan: MLJ Date: 12-12-03 Tooling: Date: Approvals: Stop SPC (Y/N): Date: Date: Sequence ID/ Set Up/ **Tool ID** Tool # Plan Reject Reject Operation Accept Insp. Description Work Center ID Code Qty Qty Number Stamp **Run Hours Draw Nbr Revision Nbr** C D3915 100 0.00 J 13-01-30 *100* 0.00 Large Fab Memo Large Fab 1- Cut tube as per dwg D4019 2- Drill hole as per dwg use DT9618 3- remove identification marks and deburr QC6- Inspect dimensions to drawing 110 *110* QC Memo Quality Control Identify as per dwg & Stock Location:

120

120 Packaging

Packaging

Memo

											DQA:	Da	ate:				
NCR:	Yes / N	О			WORK ORDER NON-	COI	NFORM	MANCE / UF	PDATE			_		•			
											QA Closed:	Da	ite:				
Work Orde	or·				DISPOSITION		AGAINST DEPARTMENT/PROCESS										
Part N	No				Rework Scrap Use-as-is Work Order Update	ſ	Skid-tube Crosstube Small Fab Thermoforming Finishing Composite			Prod. Eng. Coc Rec/Store/Packagir			Quality Other				
Root				Descri	iption of work order update		Initial	· A	ction		Sign &						
Cause	Dat	e Step	Qty		or Non-conformance	Ch	nief Eng	Des	cription		Date	Verificatio	'n	QC Inspector			
Doc/Data																	
Equip/Tooling			1														
Operator						1											
Material																	
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Other													ļ				
Process																	
Supplier													ŀ				
Training				1													
Unapproved																	
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Landi	ng Gear				General	_	_				_						
	Bendi	ng			Bend		Grain				Ovalized			Pressure/Forced			
	Centre	Not Conce	entric to	o/s	BOM/Route		Hardware				Over/Under	tolerance		Temperature/Cure			
	Cracks				Broken/Damaged		Inspection Incomplete				Part Incorre	ct		Weld			
	Crush	ed/Crimped	l <u>.</u>		Burrs		Instruct	ions Incomplete	/Unclear		Part Lost/Mi	ssing		Wrong Stock Pulled			
	Cuffs				Contamination		Mainte	nance			Part Moved			-			

Mislabeled

Out of Calibration

Out of Sequence

Outside Dimensions

Misread

Offset

Positioned Wrong

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Order ID 94022 *94022* November-30-12 8:10:52 AM Item ID: D3915-1 Accept *N900040100* Setup Start **Revision ID:** Stop **Item Name:** Rib Start Qty: 3.00 **Start Date:** 11/29/12 **Cust Item ID:** Req'd Qty: 3.00 Required Date: 11/30/12 **Customer:** Reference: Run Start Tooling: Date: _____ Process Plan: Date: **Approvals:** Stop Date: SPC (Y/N): Date: QC: Reject Sequence ID/ Operation Set Up/ Tool ID Tool # Plan Accept Reject Insp. Qty Qty Number Stamp Work Center ID **Description Run Hours** Code 0.00 130 QC21- Final Inspection - Work Order Release

0.00

Memo

130

Quality Control

QC

Page 2

											DQA:	Date:			
NCR:	Yes	/ No				WORK ORDER NON-	COI	NFORM							
						· · ·					QA Closed:	Date:			
Work Order						DISPOSITION				AGAINST DE	PARTMENT	/PROCESS			
Work Order: Part No. NCR No. Root Cause Date Step Qty Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier						Rework Scrap Use-as-is Work Order Update		Skid-tube Crosstube Machining Small Fab Thermoforming Finishing Large Fab Composite			4	Water Jet d. Eng. Coor. re/Packaging Supplier	oor. Quality Other		
Root					Descri	ption of work order update		Initial	Ad	ction	Sign &				
Cause		Date	Step	Qty	C	or Non-conformance	Ch	nief Eng	Desc	cription	Date	Verification	QC Inspector		
Doc/Data															
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Supplier															
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Landi	ng (Gear			-	General				-					
		Bending				Bend		Grain			Ovalized		Pressure/Forced		
•		Centre No	ot Concer	ntric to	o/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure		
	Г	Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct	Weld		
	Crushed/Crimped					Burrs	Γ	Instruct	ions Incomplete	/Unclear	Part Lost/M	issing	Wrong Stock Pulled		
		Cuffs	-			Contamination		Mainte	•		Part Moved	~ <u>L</u>	.		
		Heat Trea	it		. [Countersink		Mislabe	led		Positioned \	Vrong			
		Inspectio	n Strip in	Tube		Cut Too Short		Misread	I		Power Loss/		Other		

Offset

Out of Calibration

Outside Dimensions

Out of Sequence

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

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Picklist Print

November-30-12 8:10:51 AM

Work Order ID:

94022

Parent Item:

D3915-1

10.04.20 verified by:EC

Parent Item Name: Rib **Start Date:** 11/29/12

Required Date: 11/30/12

Page 1

Start Qty: 3.00

Required Qty: 3.00

Comments:

IPP Rev:A new issue DD 10.03.19 verified by:EC

IPP Rev:B as per dwg revB DD

IPP Rev:C as per dwg revC DD 10.08.18 verified by:EC

IPP

Rev:D 11.01.13 chg ac5 to 6 DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6TS0.750W.062 6061-T6 SQ Tube .75 x .7	5 x .062W	Purchased	No			100	f	129.2042	8	25.263158	13-0	1-30	PD

Location

Loc Code

MAT013

129.2042 U. 129.2042

Loc Qty

												DQA:	Dat	:e:	<u> </u>		
NCR:	· · · · · · · · · · · · · · · · · · ·																
									,			QA Closed:	Dat	:e:			
Nork Ord	er:					l	DISPOSITION	AGAINST DEPARTMENT/PROCESS									
Part							Rework Scrap	Skid-tube Crosstube Machining Small Fab			Water Jet Prod. Eng. Coor.			Engineering Quality			
NCR No.							Use-as-is Thermoforming Finishin Work Order Update Large Fab Composit					Rec/Store/Packaging Othe Supplier					
Root		:			Desc	rip	tion of work order update		Initial	Act	Action		·				
Cause		Date Step Qty			0	or Non-conformance		ief Eng	Description		Date	Verification	٦	QC Inspector			
oc/Data quip/Tooling perator flaterial etup ther rocess upplier raining																	
								AUL	T CATE	GORY							
Land		Gear Bending Centre Not Concentric to O/S Cracks Crushed/Crimped					General Bend BOM/Route Broken/Damaged Burrs		Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear			Ovalized Over/Under tolerance Part Incorrect Part Lost/Missing			Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled		
		Cuffs Heat Treat Inspection Strip in Tube					Contamination Countersink Cut Too Short		Mainte Mislabe Misread	led		Part Moved Positioned \ Power Loss/	Other				
		Ripples in			ľ	_	Drill Holes		Offset		<u> </u>	ے ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔	0-		<u> </u>		
	П	Torque W		xtrusio	, t	-	Drawing		┪	Calibration							

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G







